LIQUID CRYSTALLINE COMPOSITES CONTAINING PHYLLOSILICATES

ABSTRACT OF THE DISCLOSURE

[0047] The present invention provides phyllosilicate-polymer compositions which are useful as liquid crystalline composites. Phyllosilicate-polymer liquid crystalline compositions of the present invention can contain a high percentage of phyllosilicate while at the same time be transparent. Because of the ordering of the particles liquid crystalline composite, liquid crystalline compositions are particularly useful as barriers to gas transport.

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